

CLAIM AMENDMENTS

1. (Cancelled)

2. (Currently Amended) ~~Motor~~ A motor vehicle according to claim [[1]] 28, wherein ~~a part of~~ the sensors (9, 10, 14, 15) ~~represents~~ includes an optical sensor system [[(8)]].

3. (Currently Amended) ~~Motor~~ A motor vehicle according to claim 2, wherein the optical sensor system (8) ~~is designed with~~ includes an optical light emitting and receiving device (14, 15), which forms at least [[on]] one light plane (16 - 21) around the range of motion of the ~~soft~~ convertible top [[(2)]] and detects an intervention into the light plane with the aid of a reflection detection medium.

4. (Currently Amended) ~~Motor~~ A motor vehicle according to claim 3, wherein a laser is used as the light source of the light emitting and receiving device (14, 15).

5. (Currently Amended) ~~Motor~~ A motor vehicle according to claim 3, further comprising claims 3 or 4, wherein an electronic analysis unit is ~~planned~~, which uses the output signals of the reflection detection medium to calculate the distance and/or the angle of an intervention into the light plane (16 - 21).

6. (Currently Amended) ~~Motor~~ A motor vehicle according to claim 3 one of claims 3 through 5, wherein at least one light plane (19, 20, 21) is formed on a side of the ~~soft~~ convertible top mechanism [[(4)]] facing [[the]] a passenger compartment [[(12)]].

7. (Currently Amended) ~~Motor~~ A motor vehicle according to claim 3 one of claims 3 through 6, wherein at least one light plane (16, 17, 18) is formed ~~created~~ on a side of the convertible ~~soft~~ top mechanism [[(4)]] facing the outside of the vehicle.

8. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 2~~ one of claims 2 through 7, wherein the optical sensor system ~~includes~~ (8) is designed with at least one image sensor (9, 10), in particular a camera, which monitors the range of motion of the convertible soft top mechanism [[(4)]].

9. (Currently Amended) ~~Motor A~~ motor vehicle according to claim 8, further comprising wherein an electronic analysis unit that detects an intervention into the range of motion of the convertible soft top mechanism by difference image analysis(4) using the evaluation of the difference of images.

10. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 8~~ one of claims 8 or 9, wherein at least one image sensor [[(9, 10)]] is also allocated to a device that monitors the vehicle interior [[(12)]] and/or the position of occupants.

11. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 2~~ one of claims 1 through 10, wherein the sensor system includes at least one capacitive sensor [[(22 - 25)]].

12. (Currently Amended) ~~Motor A~~ motor vehicle according to claim 11, wherein an intervention obstruction situation is detected when a selection of several capacitive sensors [[(22 - 25)]] is responding, ~~in particular one sensor or two adjacent sensors~~.

13. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 11~~ one of claims 11 or 12, wherein at least one capacitive sensor [[(22 - 25)]] that is used to recognize an intervention obstruction situation is located in the area of [[the]] elements [[(26, 27)]] that are connected with hinges of a convertible [[soft]] top linkage and/or a tensioning bow retaining clip (28) and/or a convertible soft top compartment cover [[(31)]] and/or a windshield frame panel (11) and/or an area next to a window [[(29)]].

8. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 2~~^{one of claims 2 through 7}, wherein the optical sensor system ~~includes~~ (8) is ~~designed with~~ at least one image sensor (9, 10), in particular a camera, which monitors the range of motion of the ~~convertible soft top mechanism~~ [[(4)]].

9. (Currently Amended) ~~Motor A~~ motor vehicle according to claim 8, further comprising ~~wherein~~ an electronic analysis unit ~~that~~ detects an intervention into the range of motion of the ~~convertible soft top mechanism~~ ~~by difference image analysis(4) using the evaluation of the difference of images.~~

10. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 8~~^{claims 8 or 9}, wherein at least one image sensor [[(9, 10)]] is also allocated to a device that monitors the vehicle interior [[(12)]] and/or the position of occupants.

11. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 2~~^{one of claims 1 through 10}, wherein the sensor system includes at least one capacitive sensor [[(22 - 25)]].

12. (Currently Amended) ~~Motor A~~ motor vehicle according to claim 11, wherein an ~~intervention obstruction~~ situation is detected when a selection of several capacitive sensors [[(22 - 25)]] is responding, in particular one sensor or two adjacent sensors.

13. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 11~~^{claims 11 or 12}, wherein at least one capacitive sensor [[(22 - 25)]] that is used to recognize an ~~intervention obstruction~~ situation is located in the area of [[the]] elements [[(26, 27)]] that are connected with hinges of a convertible [[soft]] top linkage and/or a ~~tensioning bow retaining clip~~ [[(28)]] and/or a ~~convertible soft top~~ compartment cover [[(31)]] and/or a windshield ~~frame panel~~ (11) and/or an area next to a window [[(29)]].

14. (Currently Amended) ~~Motor~~ A motor vehicle according to ~~claim 11~~^{one of claims 11 through 13}, wherein the capacitive sensor ~~[(22 - 25)]~~ that is used to recognize an intervention obstruction situation is located between a sealing section and/or a trim part and its support.

15. (Currently Amended) ~~Motor~~ A motor vehicle according to ~~claim 11~~^{one of claims 11 through 14}, wherein the capacitive sensor comprises ~~(22 - 25)~~ is designed like a film, whereby with electrodes ~~(32)~~ are located on foil material.

16. (Currently Amended) ~~Motor~~ A motor vehicle according to claim 15, wherein air is planned as the dielectric of the capacitive sensor ~~[(22 - 25)]~~.

17. (Currently Amended) ~~Motor~~ A motor vehicle according to ~~claim 11~~^{one of claims 11 through 16}, wherein the capacitive sensor ~~[(22 - 25)]~~ is connected to an automatically readjusting threshold switch ~~[(37)]~~.

18. (Currently Amended) ~~Motor~~ A motor vehicle according to ~~claim 28~~^{one of claims 1 through 17}, wherein the sensor system includes at least one sensor for detecting ~~(38)~~ that is used to detect the power consumption of a convertible top drive ~~[(6)]~~, which is connected to an electronic analysis unit, by means of which an intervention obstruction situation can be detected by comparing the present current flow to a characteristic change in the current flow or by using mathematically calculated intervention obstruction criteria.

19. (Currently Amended) ~~Motor~~ A motor vehicle according to ~~claim 2~~^{one of claims 2 through 18}, wherein ~~[(,)]~~ a safety mode ~~[(S9)]~~ is started when a fault is recognized in the optical sensor system ~~[(8)]~~.

20. (Currently Amended) ~~Motor~~ A motor vehicle according to ~~claim 28~~^{one of claims 1 through 19}, wherein in a normal mode the function of the sensor system is checked, and if a waiting time is started in normal mode ~~[(S3)]~~ after the sensor system ~~[(was)]~~ is found to be functional, a waiting time

is started when an intervention obstruction situation has been recognized and the soft top motion is stopped and/or reversed; and wherein the system checks during the waiting time normal mode, whether the intervention obstruction situation is still present, and wherein a whereby safety mode [[(9)]] is started if the intervention situation is still present result of the system is positive.

21. (Currently Amended) ~~Motor A motor~~ vehicle according to claim 28~~one of claims 1 through 20, wherein a processing function [[(S11)]] is started in a safety in safety mode for closing or opening (S9) that is used to close or open the soft the convertible top [[(2)]] with reduced speed (v_min), during which the system uses an inquiry function [[(S12)]] of an electronic analysis unit to check whether an intervention obstruction situation is present, wherein whereby a processing function [[(S13)]] that stops and/or reverses the convertible soft top motion is started if the result of the inquiry system is positive.~~

22. (Currently Amended) ~~Motor A motor~~ vehicle according to claim 28~~one of claims 1 through 21, wherein the reaction whether to continue the convertible soft top movement with reduced speed (v_min) or to stop or reverse the convertible soft top motion takes place in relationship to the intervention obstruction that is being recognized.~~

23. (Currently Amended) ~~Motor A motor~~ vehicle according to claim 28~~one of claims 1 through 22, wherein after an automatic start of the convertible top movement the system carries out an inquiry function is started for after a fault in the detecting detection device [[(7)]] or for after detecting an intervention obstruction situation after an automatic start [[(S1)]] of the soft top movement.~~

24. (Currently Amended) ~~Motor A motor~~ vehicle according to claim 28~~one of claims 1 through 23, wherein a continuous convertible soft top position recognition is provided (39) has been planned to monitor the position of the convertible soft top [[(2)]], which determines the position of a defined element (43, 44, 45) of the convertible soft top mechanism [[(4)]] using an acceleration sensor (40, 41, 42), which measures an calculates actual acceleration in relationship to the acceleration of free fall.~~

25. (Currently Amended) ~~Motor A~~ motor vehicle according to claim 24, wherein several acceleration sensors ~~(40, 41, 42)~~ are located on elements ~~(43, 44, 45)~~ of the convertible soft top mechanism ~~[(4)]~~ and connected to an electronic analysis unit ~~[(46)]~~, which uses the signals of the acceleration sensors ~~(40, 41, 42)~~ to calculate a relative position, which, together with the present information on the vehicle incline, results in the present convertible soft top position.

26. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 28~~^{one of claims 1 through 25, wherein the control equipment ~~[(5)]~~ for the control of the convertible soft top motion is equipped with a further another acceleration sensor ~~[(48)]~~ that is used to detect the vehicle's inclination.}

27. (Currently Amended) ~~Motor A~~ motor vehicle according to ~~claim 28~~^{one of claims 1 through 26}, wherein the sensor system includes ~~is part of~~ a rain sensor.

28. (New) A motor vehicle with a movable convertible top, comprising:
control equipment for controlling movement of the convertible top; and
a detection device for recognizing an intervention into the range of motion of the convertible top, the detection device including a sensor system having a plurality of sensors operating according to different measurement principles;

the control equipment being operable, when a problem is recognized with the detection device or in the event of an intervention situation, to control the convertible top in a safety mode during which the convertible top motion continues with reduced speed and power or is stopped or reversed.